

## CURRICULUM VITAE

**NAME:** J. David Winger, Ph.D., HCLD/CC(ABB)

### PERSONAL INFORMATION:

Birthdate: July 7, 1963  
Birthplace: Bristol, Tennessee  
Marital Status: Married  
Spouse's Name: Sandy Winger  
Children: Morgan Winger  
Matthew Winger

### EDUCATION:

1981-1985 East Tennessee State University  
Johnson City, Tennessee  
B.S.  
Biology (major), Psychology (minor)  
1986-1988 University of Tennessee  
Knoxville, Tennessee  
M.S.  
Biotechnology

### EDUCATION: (Continued)

1988-1990 University of Tennessee  
Knoxville, Tennessee  
Ph.D.  
Zoology

### BOARD CERTIFICATION:

November 1994 American Board of Bioanalysis  
HCLD (High Complexity Clinical Laboratory Director)  
Certified in Embryology/Andrology/Lab Management  
March 2012 Clinical Consultant (ABB)

**EMPLOYMENT:**

10/16-2/18	Assistant Professor Scientific Director, Center for Reproductive Medicine Department of Obstetrics and Gynecology Wake Forest University School of Medicine Winston-Salem, North Carolina
8/07-9/16	Director of Laboratories Premier Fertility Center High Point, North Carolina
2003-2007	Assistant Professor Lab Director, Center for Reproductive Medicine Department of Obstetrics and Gynecology Wake Forest University School of Medicine Winston-Salem, North Carolina
1998-2003	Director of Laboratories Reproductive Biology Associates Atlanta, Georgia
1993-1998	IVF Laboratory/IVF Director Toll Center for Reproductive Sciences Abington Memorial Hospital Abington, Pennsylvania
1990-1993	Director Fertility Laboratory Services Center for Reproductive Medicine Charlotte, North Carolina
1988-1990	Assistant Lab Director Fertility Center of East Tennessee Knoxville, Tennessee
1986-1988	Lab Technician Fertility Center of East Tennessee Knoxville, Tennessee
1986-1990	Teaching Assistant Department of Zoology University of Tennessee Knoxville, Tennessee

**ACADEMIC APPOINTMENTS:**

10/16-2/18	Assistant Professor Wake Forest University School of Medicine Winston-Salem, North Carolina
2003-2007	Assistant Professor Wake Forest University School of Medicine Winston-Salem, North Carolina
1997-1998	Adjunct Research Associate Department of Biology University of Pennsylvania Philadelphia, Pennsylvania
1994-1998	Adjunct Instructor Department of Obstetrics and Gynecology and Reproductive Sciences Temple University School of Medicine Philadelphia, Pennsylvania

**SOCIETY MEMBERSHIPS:**

American Society for Reproductive Medicine  
American Association of Bioanalysts  
American Association of Tissue Banks  
Executive Council: Society for Assisted Reproductive Technology

**RESEARCH INTERESTS:**

Preimplantation Genetics; Embryonic stem-cells; parthenogenesis; air-quality issues in the IVF lab.

**BIBLIOGRAPHY:**

Journal Articles:

Wininger JD, Gaunt GL. The endocrinology laboratory in a program of assisted reproductive technology: the value of preovulatory measurement of serum progesterone. Assist Reprod Rev 1992; 2:198-204.

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Wininger JD, Kort HI. Cryopreservation of immature and mature human oocytes. Semin Reprod Med 2002; 20(1):45-49.

Roudebush WE, Wininger JD, Jones AE, Wright G, Toledo AA, Kort HI, Massey JB, Shapiro DB. Embryonic platelet-activating factor: an indicator of embryo viability. *Human Reprod* 2002; 17(5):1306-1310.

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Mitalipova M, Calhoun J, Shin S, Wininger D, Schulz T, Noggle S, Venable A Lyons I, Robins A, Stice S. Human embryonic stem cell lines derived from discarded embryos. *Stem Cells* 2003; 21(5): 521-526.

Hernandez-Fonseca HJ, Bosch P, Sirisathien S, Wininger JD, Massey JM, Brackett BG. Effect of site of transplantation on follicular development of human ovarian tissue transplanted into intact or castrated immunodeficient mice. *Fertil Steril* 2004; 81(Suppl 1): 888-892.

Bosch P, Hernandez-Fonseca HJ, Miller DM, Wininger JD, Massey JM, Lamb SV, Brackett BG. Development of antral follicles in cryopreserved cat ovarian tissue transplanted to immunodeficient mice. *Theriogenology* 2004; 61(2-3): 581-594.

Hernandez-Fonseca HJ, Bosch P, Miller DM, Wininger JD Massey JM, Brackett BG. Time course of follicular development after bovine ovarian tissue transplantation in male non-obese diabetic severe combined immunodeficient mice. *Fertil Steril* 2005; 83(4)(Suppl 1): 1180-1187.

Catherine Racowsky, Michael Vernon, Jacob Mayer, G. David Ball, Barry Behr, Kimball O. Pomeroy, David Wininger, William Gibbons, Joseph Conaghan, Judy E. Stern. Standardization of gradind embryo morphology. *Fertil Steril* 2010; 94 (3): 1152-1153.

John J. Orris, Tyl H. Taylor, Janice W. Gilchrist, Susan V. Hallowell, Michael J. Glassner and JD Wininger. The utility of embryo banking in order to increase the number of embryos available for preimplantation genetic screening in advanced maternal age patients. *Journal Assist Reprod Genet*; 2010, Volume 27, Number 12, 729-733.

Taylor TH, Gilchrist JW, Hallowell SV, Hanshew KK, Orris JJ, Glassner MJ, Wininger JD. The effects of different laser pulse lengths on the embryo biopsy procedure and embryo development to the blastocyst stage. *J Assist Reprod Genet* 2010; 27(11); 663-667.

Wininger JD, Taylor TH, Orris JJ, Glassner MJ. Pregnancy after rebiopsy and vitrification of blastocysts following allele dropout after day 3 biopsy. *Fertil Steril* 2011; 95 (3); 1122.

Vernon M, Stern J, Ball D, Wininger D, Mayer J, Racowsky C. Utility of the national embryo morphology data collection by the Society for Assisted Reproductive Technologies(SART): correlation between day-3 morphology grade and live-birth outcome. *Fertil Steril* 2011; 95(8); 2761-2763.

Abstracts:

Wininger JD, Jones AE, Wright G, Smith SE, Brockman WW, Johnson-Ward J, Massey JB. The predictive value of day 3 embryo stage on blastocyst formation. *Fertil Steril* 1999; 72(3)(Suppl 1):S96.

Smith SE, Richard JR, Brockman WW, Wininger JD, Witt MA. Density gradient centrifugation and cryopreservation of spermatozoa obtained by microepididymal sperm aspiration (MESA). Fertil Steril 1999; 72(3)(Suppl 1):S164.

Smith SE, Richard JR, Brockman WW, Wininger JD, Witt MA. A comparison of fresh versus cryopreserved epididymal spermatozoa obtained by microepididymal sperm aspiration (MESA). Fertil Steril 1999; 72(3)(Suppl 1):S164.

Wininger JD, Jones AE, Wright G, Smith SE, Brockman WW, Johnson-Ward J, Massey JB. The efficacy of blastocyst culture in a high volume IVF center. Fertil Steril 1999; 72(3)(Suppl 1):S225.

Wininger JD, Jones AE, Wright G, Smith SE, Brockman WW, Johnson-Ward J, Toledo AA. Similar pregnancy and implantation rates with day 3 and day 5 transfers. Fertil Steril 2000; 74(3)(Suppl 1):S226.

Roudebush WE, Wininger JD, Toledo AA, Massey JB, Kort HI, Kaufmann R. Embryo viability assessment: the amount of platemet-activating factor produced by human embryos is related to pregnancy outcome. Fertil Steril 2001; 76(3)(Suppl 1):S88.

Hernandez-Fonseca HJ, Bosch P, Sirisathien S, Wininger JD, Massey JB, Brackett BG. Time course of follicular development after bovine ovarian tissue transplantation in NOD SKID mice. Fertil Steril 2001; 76(3)(Suppl 1):S34-S35.

Hernandez-Fonseca HJ, Bosch P, Wininger JD, Massey JB, Cho H, Brackett BG. Recovery of oocytes from bovine ovarian tissue transplanted to NOD SKID mice. Fertil Steril 2001; 76(3)(Suppl 1):S56.

Shapiro D, Carter M, Mitchell-Leef D, Wininger D. Plateau or drop in estradiol (E2) on the day after initiation of the GnRH antagonist Antagon in IVF treatment cycles does not affect pregnancy outcome. Fertil Steril 2002; 78(3)(Suppl 1):S22-S23.

Wininger JD, Huang S, Massey JB, Lei J, Lin H. Assessment of parthenogenic activation of human metaphase II oocytes for stem cell derivation. Fertil Steril 2002; 78(3)(Suppl 1):S76-S77.

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Sun W, Wininger JD, Yalcinkaya TM. L-Selectin concentration in protein supplements used in embryo culture media. Fertil Steril 2006; 86(3) (Suppl 1) S321.

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